Amendments to the Specification

Please replace the second paragraph on page 9 lines 11-18 with the following amended paragraph:

A data display area 205 is shown with an initial start point 1 and a scale bar 206. GUI 200 includes a line start point field 210, a horizontal distance field 215, a direction field 220 and a repeat field 225. In entering a line segment, a user enters a start point, a length, a direction, and a repeat factor in the appropriate fields. After engineering the line segment parameters the line segment may be entered by using the enter button 228.

Please replace the third paragraph on page 9 line 20 through page 10 line 2 with the following amended paragraph:

In the example of FIG. 2A, the start point for a first line segment is shown with a default value of 1. A length of 18m, a direction of 0.0 degrees, and a repeat factor of 3 are shown entered in fields 210, 215, and [[225]] 220, respectively. A dropdown menu indicated by an arrow on the right of fields 210, 215, and [[225]] 220 may be used to select values from a list.

Please replace the second paragraph on page 13 lines 8-15 with the following amended paragraph:

FIG. 4A shows a GUI 400 for arc data entry. [[the]] The GUI 400 for arc entry includes start point field 410, an and point field 415, a radius field 420, and an arc size field 425. In this example, the start point is point 11 and the end point is point 14. The radius of the arc is 30.0 ft and the arc size is short. Arc size may be designated as short (e.g., less than or equal to 180 degrees) or long (e.g., greater than 180 degrees).

Please replace the third paragraph on page 13 lines 17-25 with the following amended paragraph:

FIG. 4B shows a GUI 401 with data input fields for arc subdivision. A segment arc length field 430 is provided for entry of a subdivision length. A store center point check box 435 and center point display field 440 is also provided. When the box 435 is checked, the center point is automatically generated. In this example, the segment arc length is 15 ft and the center point identification is point 19.